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CONTINUOUS INTELLIGENCE IN HEALTH CARE

Agenda:

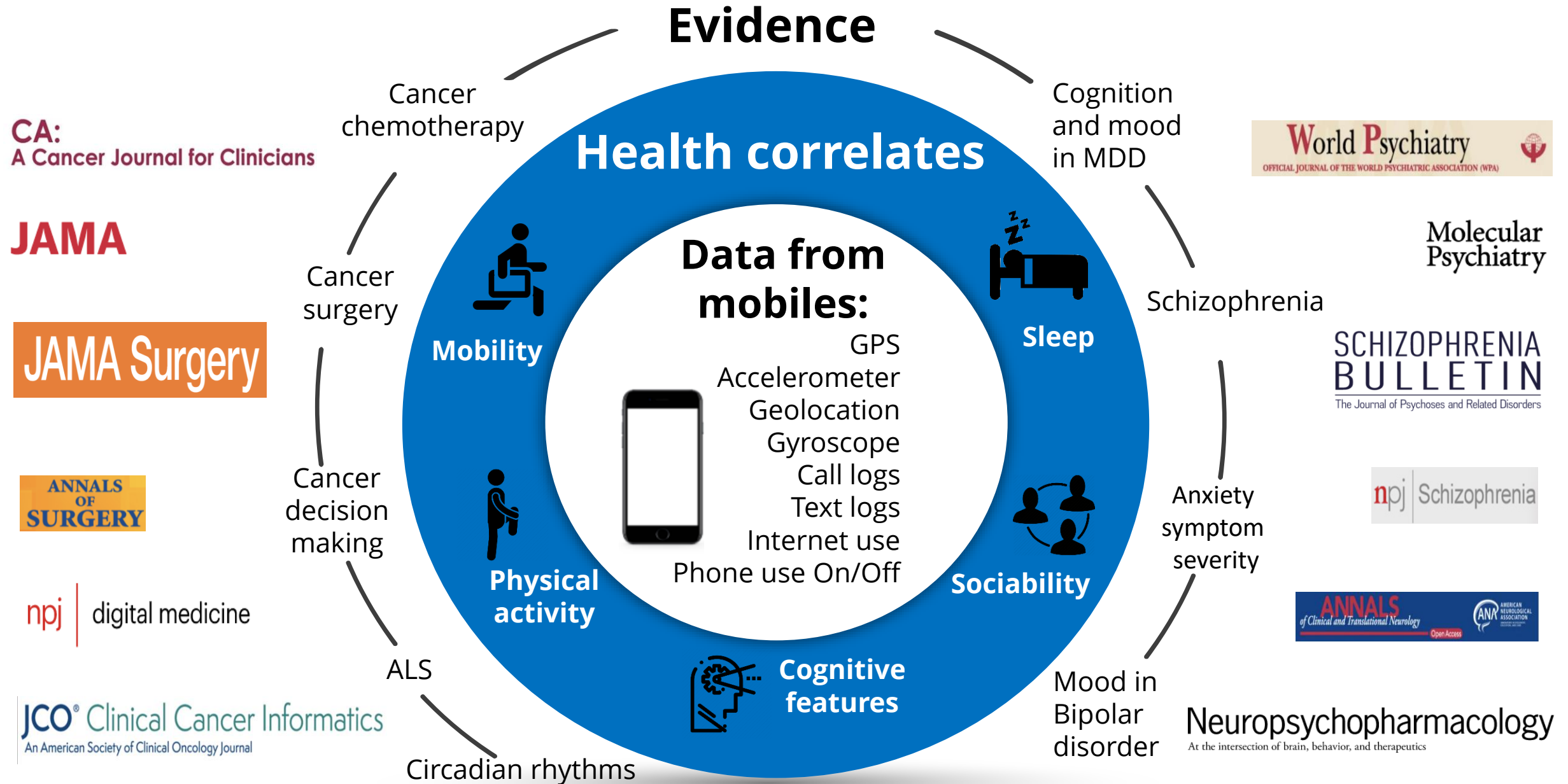
- **Solution**
- **Results**
- **Use Cases**
- **Demonstration**

Digital Phenotyping Enabled Transformation in Healthcare

“...moment-by-moment quantification of the **individual-level** human phenotype **in situ** using **data from personal digital devices...**”

JP Onnela, Professor at the Harvard T.H. Chan School of Public Health

Digital phenotyping: smartphone sensors



MIS Laima System Diagram





ProIT Solution



**Passively generated
high-resolution data**

Smartphone sensors

**Digital
Phenotype**

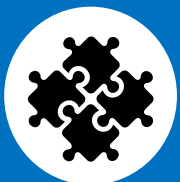


Actively collected data

Multi-Channel Portal
Customizable
Patient-centered

**Collection
and
integration**

HIPAA/GDPR
Compliant

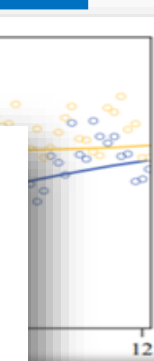
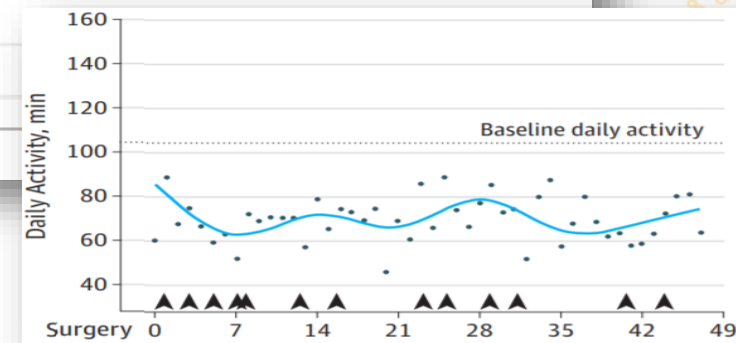
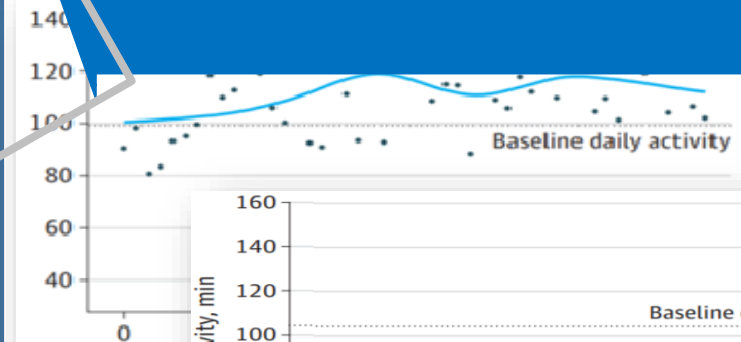
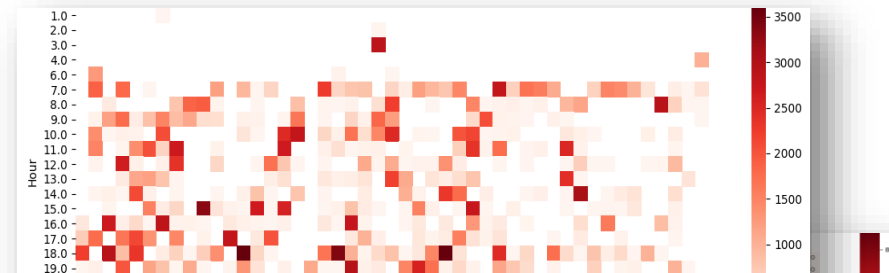


Clinical RWD

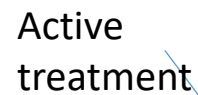
Integration with EHRs via
standard HL7 FHIR or
OpenAPI



**Real time analysis.
Integration.
Remote monitoring.
Predictive modeling (AI).**

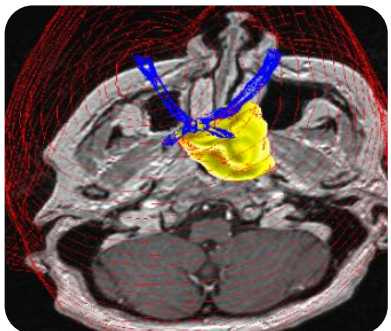


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Clinical trials

- Prediction of disease trajectories, disease progression, treatment complications of patients undergoing radiation therapy for brain cancer.
- Remote monitoring/alert system of cancer patients diagnosed undergoing chemotherapy.
- 5G-enabled remote, smart, personalised post-surgery patient care services and other solutions



VYTAUTAS MAGNUS
UNIVERSITY
MCMXXII



Use Cases of the System

Potential use cases

Benefits for Segments/Ongoing Projects



Clinical Trials

Pharma, Hospitals, Physicians, Patients
Cancer: NCI (LT), Hospital of LUHS (LT)



Treatment,
Retail, Patients

Pharmacies, Hospitals, Physicians, Patients
Cancer: NCI(LT), Hospital of LUHS



Government,
Payers

Funding agencies, policymakers, Hospitals, Society
Comparative effectiveness: International Pharmaceutical
Company



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Live Demonstration



Partners:

